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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SUBSTRATES HAVING INCREASED THERMAL CONDUCTIVITY FOR SEMICONDUCTOR STRUCTURES

described and claimed in the specification:

Check one

*a. ☒ attached hereto.

b. ☐ filed on _____ as Application No. _____ and amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56. Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Registration No. 27,075; William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562; Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450; Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565; Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430; Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; Mark Costello, Registration No. 31,342;
Don L. Webber, Registration No. 34,275; Ronald F. Chapuran, Registration No. 26,402;
Eugene O. Palazzo, Registration No. 20,881; Kevin R. Kepner, Registration No. 32,145;
and/or Richard B. Domingo, Registration No. 36,784.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1 **Typewritten Full Name**
of First or Sole Inventor

Linda

T.

ROMANO

Given Name

Middle Initial

Family Name

2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

Month

Day

Year

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Sunnyvale, California 94087 USA

*This form may be executed only when attached to the specification (including claims) at the end thereof if Box a. is checked.

**Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒

1 **Typewritten Full Name**
of Second Joint Inventor (if any)

Michael

A.

KNEISSL

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2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

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26

2001

Month

Day

Year

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E.

NORTHROP

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2001

Month

Day

Year

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California

USA

City

State or Province

Country

Citizenship: USA

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Palo Alto, California 94304 USA

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2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

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City

State or Province

Country

Citizenship:

Post Office Address:

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including country)

1 **Typewritten Full Name**
of Fifth Joint Inventor (if any)

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Middle Initial

Family Name

2 ****INVENTOR'S SIGNATURE:**

3 ****DATE OF SIGNATURE:**

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Country

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Edward P. Walker, Registration No. 31,450; Robert A. Miller, Registration No. 32,771;
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1 **Typewritten Full Name**
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Linda

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2 ****INVENTOR'S SIGNATURE:**

Linda T. Romano

3 ****DATE OF SIGNATURE:**

September 20, 2007

Month

Day

Year

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USA

City

State or Province

Country

Citizenship:

USA

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Sunnyvale, California 94087 USA

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1	Typewritten Full Name of Second Joint Inventor (if any)		
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Citizenship:	German		
	Post Office Address: (Insert complete mailing address, including country)		
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	Mountain View, California 94041 USA		
1	Typewritten Full Name of Third Joint Inventor (if any)		
	John	E.	NORTHROP
	Given Name	Middle Initial	Family Name
2	**INVENTOR'S SIGNATURE:		
3	**DATE OF SIGNATURE:		
	Month	Day	Year
Residence:	Palo Alto	California	USA
	City	State or Province	Country
Citizenship:	USA		
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	1380 Oak Creek Drive, Apartment No. 401		
	Palo Alto, California 94304 USA		
1	Typewritten Full Name of Fourth Joint Inventor (if any)		
	Given Name	Middle Initial	Family Name
2	**INVENTOR'S SIGNATURE:		
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Citizenship:			
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